

Dedication

Our Parents for fulfilling all our wishes and for the support they had been throughout our life, Supervisor Mr.Muhammad Zahid (LMKR) and Mr.Saqib Mehmood for his continuous support and help.

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Praise to Allah, Lord of the worlds, The Beneficent, The Merciful, Who is the entire source of knowledge and wisdom endowed to mankind, who gave us courage and potential to pursue this goal. We believe that He never spoils any effort of good deeds. Blessings of Allah by upon Prophet Hazrat Muhammad (P.B.U.H), the city of knowledge and blessings for entire creature, who has guided his Ummah to seek knowledge from cradle to grave, and enabled us to win honour of life. Lots of thanks to our Allah Who gave us success in every step of my life.

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Abstract

Mianwala field is located in Kohat Potwar basin. The Mianwala Well comprises two major reservoir rock units;Murree Formation and Kohat Formation.

This study includes a Formation evaluation of Mianwala Well # 1.In this study, we calculated different petrophysical parameters including Shale Volume, Density porosity, Neutron Porosity, Average Porosity,Effective Porosity,Resistivity of water, Saturation of water, Saturation of Hydrocarbon by using different logs including Gamma ray log, Neutron log, Density log,Sonic log & Induction Log Deep.

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